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## **Patent Claims**

| 1. | Apparatus for joining together at least two substrates (2,3), each  |
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|    | of which has an inner hole, with a pin (1,5%) that is adapted to    |
|    | the inner holes of the substrates, characterized in that the pin is |
|    | provided with at least two noses (10,51) that are movable           |
|    | radially relative to the pin (1,50), wherein the edges of the inner |
|    | holes of the substrates glide downwardly upon the linear outer      |
|    | surfaces of the noses during movement of the noses (10,51)          |
|    | toward the pin (1,50).  |

- 2. Apparatus according to claim/1, characterized in that the noses (10,51) hold the substrates (2,3) spaced apart prior to the joining together.
- 3. Apparatus according to claim 1 or 2, characterized in that the pin (1,50) is a centering pin.
- 4. Apparatus according to one of the preceding claims, characterized in that the noses (10,51) are pivotably mounted on the centering pin.
- 5. Apparatus according to one of the preceding claims, characterized by at least one biasing unit (12,56) for the biasing of the noses (10,51) outwardly.

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- 6. Apparatus according to claim 5, characterized in that the biasing unit has at least one spring (12,56).
- 7. Apparatus according to one of the preceding claims, characterized in that the noses (10,51) are movable toward the pin (1,50) by exerting pressure upon the substrates (2,3).
- 8. Apparatus according to one of the preceding claims, characterized by an actuating element (13,78) that radially moves the noses (10,51).
- 9. Apparatus according to one of the preceding claims, characterized in that the noses (51) are embodied as lever arms.
- 10. Apparatus according to claim 8 or 9, characterized in that the actuating element (78) is introducible between the noses (51).
- 11. Apparatus according to one of the claims 8 to 10, characterized in that the actuating element (13,78) is conical.
- 12. Apparatus according to one of the claims 8 to11, characterized in that that end of the noses (51) that face the actuating element (78) is rounded off.
- 13. Apparatus according to one of the preceding claims, characterized in that the biasing of the noses (10,51) is variable.

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- 14. 'Apparatus according to one of the preceding claims, characterized by a tapered element (13) that is disposed in the pin (1) and is movable counter to a biasing (15).

  15. Apparatus according to claim 14. characterized in that the
- 15. Apparatus according to claim 14, characterized in that the tapered element (13) is movable against a spring (15).
- 16. Apparatus according to one of the claims 14 or 15, characterized by a biasing element (1/2) disposed between the tapered element (13) and the noses (10).
- 17. Apparatus according to one of the claims 14 to 16, characterized in that the outwardly directed biasing of the noses is variable via a movement of the tapered element (13).
- 18. Apparatus according to one of the preceding claims, characterized by a tensioning element that draws the noses (10) inwardly, with a tensioning force that is not sufficient to overcome the normally outwardly directed biasing of the noses.
- 19. Apparatus according to claim 18, characterized in that the tensioning force of the tensioning element draws the noses (10) inwardly when the outwardly directed biasing is reduced.
- 20. Apparatus according to one of the claims 18 or 19, characterized in that the tensioning element is a spring ring disposed on/the noses (1).

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- 21. Apparatus according to claim 20, characterized in that the spring ring is disposed on the inner periphery of the noses (10).
- 22. Apparatus according to one of the preceding claims, characterized by four noses (10,51).

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